ABSTRACT

Solid state shear pulverization is utilized to form a compatibilized homogenous polymeric blend which has improved melt processing properties including a higher melt flow rate than the moldable base polymer without sacrificing, and often increasing the other physical properties including tensile strength, impact strength and elongation. The compatibilized, homogenous polymeric blend improves melt processing of the moldable polymer in injection molding, extrusion molding and blow molding, including the ability to down gauge blow molded films without sacrificing melt strength and the physical properties of the film.